## AMENDMENTS TO THE SPECIFICATION

Please add the following new paragraph before paragraph [0001]"

This application claims priority of French Application Serial No. 02/12290, filed on October 4, 2002.

Please replace the paragraph number [0006] with the following amended paragraph:

The published EP -A-1 138 346 and its corresponding U.S. Published Patent Application No. US 2001-0034540 A1 (published on 29 October 2001), now U.S. Pat. No. 6,725,091, also commonly assigned herewith to ELA Medical, describes another type of measurement of the bio impedance, namely, a trans-septum bio-impedance, i.e., between one site located on one side of the heart and a second site located on the other side of the heart. Through this technique, one can obtain a value representative of the ejection fraction, although the bio-impedance signal is weaker than in the case of the transvalvular bio-impedance measurement, and also is more influenced by the impedance of the septum tissues.

Please replace the paragraph number [0040] with the following amended paragraph:

Suitable devices for which the present invention has application include, for example, the active implantable medical devices available from Ela Médical, Montrouge France. These devices are microprocessor-based systems having circuits for receiving, conditioning and processing detected electrical signals, and capable of receiving software instructions by telemetry, storing them in memory, and then executing those instructions to perform the functions described above in implementing the present invention. The creation of suitable software instructions for controlling an implant to perform the aforementioned functions of the present invention are believed to be within the abilities of a person of ordinary skill in the art.

The detection circuits used to detect the cardiac signals in the atrium and the ventricle, in the left and/or right chambers, are well known and any suitable design may be used. The circuits used to inject the currents to obtain the bioimpedance measurements are known as well from, for example, EP 1 116 497 and corresponding U.S. Pat. No 6,604,002 B1 and EP 1 138 346 and corresponding U.S. Published Pat. Application 2001-0034540, now U.S. Pat. No. 6,725,091, and any suitable circuit to may be used. The sensor used and the determination of rest phases might be taken from the devices disclosed in, for example, U.S. Pat. No. 5,722,996 and EP1317943 and its corresponding U.S. Published Patent Application 2002-10310689, which disclosures are incorporated herein by reference. The use of an MV type sensor to determine when a patient is in a rest phase or state is described in U.S. Pat. No. 5,622,428, which is incorporated herein by reference.